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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/828,557	04/21/2004	Douglas G. Storey	028722-381	5430	
21839	7590 12/09/2004		EXAMINER		
	DANE SWECKER & MA	ZEMAN, ROBERT A			
	CE BOX 1404 RIA, VA 22313-1404	ART UNIT	PAPER NUMBER		
			1645		
				1	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	tion No.	Applicant(s)		
		10/828,	557	STOREY ET AL.	STOREY ET AL.	
	Office Action Summary	Examine	ər	Art Unit		
		Robert A	A. Zeman	1645	<u> </u>	
Period fo	The MAILING DATE of this commun	nication appears on the	he cover sheet with	the correspondence add	iress	
A SHO THE I - Exter after - If the - If NO - Failur Any r	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN usions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this come period for reply specified above, the maximum si re to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136(a). In no enunication. 30) days, a reply within the statutory period will apply and will, by statute, cause the ap	event, however, may a repartition and thirty (will expire SIX (6) MONTHOPLICATION to become ABAN	ly be timely filed (30) days will be considered timely. HS from the mailing date of this cor NDONED (35 U.S.C. § 133).		
Status						
2a) <u>□</u> 3) <u>□</u>	Responsive to communication(s) file This action is FINAL . Since this application is in condition closed in accordance with the pract	2b)☐ This action is for allowance excep	ot for formal matter	•	merits is	
Dispositi	on of Claims					
5) 6) 7)	Claim(s) 1-18 is/are pending in the at 4a) Of the above claim(s) is/at Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-18 are subject to restriction	re withdrawn from c				
Application	on Papers					
10) 🗌 -	The specification is objected to by the The drawing(s) filed on is/are Applicant may not request that any objected to the coath or declaration is objected to the coath of t	a) accepted or be ction to the drawing(s) the correction is requi	be held in abeyance ired if the drawing(s)	e. See 37 CFR 1.85(a). is objected to. See 37 CFF	• •	
Priority u	nder 35 U.S.C. § 119					
12)[/ a)[Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation	documents have be documents have be of the priority documental Bureau (PCT Ru	en received. en received in App nents have been re ule 17.2(a)).	olication No eceived in this National S	Stage	
2)	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Fination Disclosure Statement(s) (PTO-1449 or No(s)/Mail Date		Paper No(s)/N	nmary (PTO-413) Mail Date ormal Patent Application (PTO-	·152)	

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-3, drawn to methods of preventing biofilm formation by inhibiting gacA/gacS regulatory system utilizing antibodies to gacS, classified in class 424, subclass 130.1.
- II. Claim 5, drawn to antibodies to gacS that inhibit the gacA/gacS regulatory pathway, classified in class 424, subclass 150.1.
- III. Claim 6, drawn to small molecules that inhibit the gacA/gacS regulatory pathway, classified in class 530, subclass 300.
- IV. Claims 7-9, drawn to methods of treating biofilm infection by inhibiting gacA/gacS regulatory system utilizing antibodies to gacS, classified in class 424, subclass 130.1.
- V. Claims 11-14, drawn to methods of modulating biofilm formation by inhibiting gacA/gacS regulatory system utilizing antibodies to gacS, classified in class 424, subclass 150.1.
- VI. Claims 11-13 and 15, drawn to methods of modulating biofilm formation by inhibiting gacA/gacS regulatory system utilizing small molecules that bind to gacS, classified in class 530, subclass 350.
- VII. Claim17, drawn to compositions comprising antibodies to gacS that modulate the gacA/gacS regulatory pathway, classified in class 424, subclass 150.1.

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VIII. Claim 18, drawn to compositions comprising small molecules that specifically bind to gacS and modulate the gacA/gacS regulatory pathway, classified in class 530, subclass 300.

Claim 4 is a linking claim, linking the invention of claims 5 and 6; claim 10 is a linking claim, linking the invention of claims 11-15; and claim 16 is a linking claim, linking the invention of claims 17 and 18. The restriction requirement among the linked inventions is subject to the nonallowance of the linking claim(s). Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim depending from or otherwise including all the limitations of the allowable linking claims will be entitled to examination in the instant application. Applicants are advised that if any such claims depending from or including all the limitations of the allowable linking claims are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

The inventions are distinct, each from the other because of the following reasons:

Inventions II-III and VII-VIII are each separate and distinct from each other, as they comprise differing biochemical and immunological entities having differing properties and uses. Each invention constitutes a patentably distinct biological composition.

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Inventions I and IV-VI are each separate and distinct from each other as they are drawn to differing methods having different steps, different goals and leading to differing results.

Inventions II and Inventions I and IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the antibodies of Invention II can be used in protein purification methodologies.

Inventions VII and V are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the antibodies of Invention VII can be used in protein purification methodologies.

Inventions VIII and VI are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the small molecules of Invention VIII can be used in antibody production methodologies.

Invention II is separate and distinct from Inventions V and VI, as the antibodies of Invention II cannot be used in the methods of Invention V or VI.

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Invention III is separate and distinct from Inventions IV, V and VI, as the small molecules of Invention III cannot be used in the methods of Invention IV, V or VI.

Invention VII is separate and distinct from Inventions I, IV and VI, as the compositions of Invention VII cannot be used in the methods of Invention I, IV and VI.

Invention VIII is separate and distinct from Inventions I, IV and V, as the compositions of Invention VII cannot be used in the methods of Invention I, IV and V.

Because these inventions are distinct for the reasons given above and the search required for the aforementioned groups would not be coextensive in scope, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and a product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with the provisions of MPEP § 821.04. Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier. Amendments submitted after final rejection are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112. Until an elected product claim is found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowed product claim will not be rejoined. See "Guidance on Treatment of Product and Process Claims in light of *In re Ochiai, In re Brouwer* and 35 U.S.C. § 103(b)," 1184 O.G. 86 (March 26, 1996). Additionally, in order to retain the right to rejoinder in accordance with the above policy, Applicant is advised that the process claims should be amended during prosecution either to maintain dependency on the product claims or to otherwise include the limitations of the product claims. **Failure to do so may result in a loss of the right to rejoinder.**

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Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert A. Zeman whose telephone number is (571) 272-0866. The examiner can normally be reached on Monday- Thursday, 7am -5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynette Smith can be reached on (571) 272-0864. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert A. Zeman December 7, 2004